

M 6.0, 4 km S of Jac, Costa Rica

Origin Time: 2020-08-24 21:51:09 UTC (Mon 15:51:09 local)

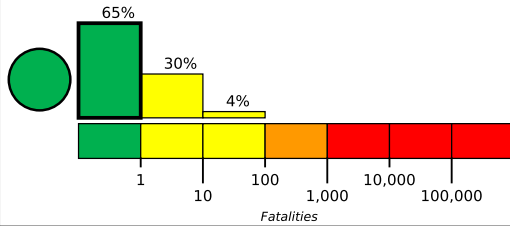
Location: 9.5749° N 84.6308° W Depth: 19.4 km

Created: 6 days, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,924k	2,326k	37k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-07-10	114	5.8	VII(45k)	1
2000-07-06	305	5.4	VII(173k)	7
1972-12-23	349	6.2	VIII(311k)	11k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Jaco	4k
IV	Parrita	4k
IV	Paquera	2k
IV	Orotina	6k
IV	Quepos	<1k
IV	Quepos	8k
IV	Alajuela	47k
IV	Puntarenas	36k
III	San Jose	335k
III	Liberia	45k
III	Limon	63k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000bcbv#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000bcbv